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Sequence (1981: Strd Orlg ZScore EScore Len | Documentation ... Strd Orlg ZScore EScore Len | Documentation ... Strd Orlg ZScore Escore Len | Documentation ... Strd Orlg ZSCORE pep: PGT 10802-0934-654 + 2551.50 2021.02 5.18-126 4 (2912.6.) C912.6. C912.6
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-MATRIX=blosum62 -TRANS=human40.cdi -LIST=45 -DOCALIGN=200
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-USER=6228611_@CGN1_1.56 -NOPPI= -LONGLOG
-DEV_TIMEOUT=120 -WARN_TIMEOUT=30 -NO_XLPXY -WAIT -THREADS=1
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              out_format : pfs
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                                                                                                                                                                                       About: Results were produced by the GenCore software, version 4.5, Copyright (c) 1993-2000 Compugen Ltd.
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/cgn2_6/ptodata/1/paa/US60_NEW_COMB.pep:US-60-389-987-2498 +
OM of: US-08-711-417C-165 to: Pending_Patents_AA_New:*
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Database: Pending_Patents_AA_New:'
Database sequences: 747981
Database length: 242050750
Search time (sec): 237.910000
                                                                                           Date: Aug 28, 2002 10:20 AM
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Query: US-08-711-417C-165
Query length: 1551
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CURRENT APPLICATION NUMBER: PCT/US02/09944

CURRENT FILING DATE: 2002-03-27

PRIOR APPLICATION NUMBER: 60/280,067; 60/279,619; 60/280,068; 60/291,280; 60/291,8

FOR PRIOR PPLICATION NUMBER: 60/280,001; 60/299,776

PRIOR FILING DATE: 2001-03-29; 2001-03-28; 2001-03-29; 2001-05-16; 2001-05-17;

2001-05-17; 2001-06-19; 2001-06-20; 2001-06-20

SOFTWARE: PERL PROGRAM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE OF INVENTION: MOLECULES FOR DISEASE DETECTION AND TREATMENT FILE REFERENCE: PT-1231 PCT
                                                                                                                                           seq_name: /cgn2_6/ptodata/1/paa/PCT_NEW_COMB.pep:PCT-US02-09944-654
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OTHER INFORMATION: Incyte ID No: LI:345320.4.orf2:2001MAY17
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Gaps: 3
Percent Identity: 96.988
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                                                                                                                                                                                                           Sequence 654, Application PC/TUS0209944 GENERAL INFORMATION:
APPLICANT: INCYTE GENOMICS, INC.
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US-08-711-417C-165 x PCT-US02-09944-654
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LIU, Tommy F.
NGUYEN, Duy-Viet An
KLEEFELD, Yael
GERSTIN, JR., Edward H
PERALTA, Careyna H.
                                                                                                                                                                                                                                                                                                     JONES, Anissa L.
TRAN, Alanna-Phung B.
DAHL, Christopher R.
GIETZEN, Darryl
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YU, Jimmy Y.
TUASON, Olivia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Samantha A.
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AMSHEY, Stefan R.
DAUGHERTY, Sean C.
                                                                                                                                                                                                                                                                                                                                                                                                                             DUFOUR, Gerard E.
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FLORES, Vincent
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Ratio: 5.186
nilarity: 98.795
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LAN, Ruth
                                                                                                                                                                                            seq_documentation_block:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCT-US02-09944-654
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64 GATACTCCAGATGAGGGCGATGAGCCCATGCCGATCCCCGAGGACCTCTC 113

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961 CTGGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCCCGGGCGGTTC 1010
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      213
                                                                                                                                                                                            263
                                                                                                                                                                                                                                                                                                                                               314 CGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGATATC 363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    414 CCACACTGGAGAACGCCCTTCCAGTGCAATCAGTGCGGGCCTCATTCA 463
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                                                                                                                                                                                                                                                                    264 GGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCTTTGT 313
                                                                                                                                                                                                                                                                                                                                                                   614 ATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAAAGAG 663
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                                                                                                                                                                                                                                  68
                                                                                                                                     102 CysGlyIleIleCysIleGlyProAsnValLeuMetValHisLysArgSe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 AspThrProAspGluGlyAspGluProMetProIleProGluAspLeuSe
                                     114 CACCACCTCGGGAGGACAGCACAAGCTCCAAGAGTGACAGAGTCGTGGCCA
                                                         18 rThrThrSerGlyGlyGlnGlnSerSerLysSerAspArgValValAlas
                                                                                                                 164 GTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGCCTGT
                                                                                                                                                                                          214 GAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCTC
                                                                                                                                                                                                                364 TGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGAAG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               464 CCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          764 AGATAGGATCAGAGATCTCTCGTGCTGGACGACTAGCAAGTAATGTC
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                                                                                1107
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                                                                                                                            351
                                                                                                                                                                                                 352 ASDLeuLeuLeuLeuSerLySAlaLySLeuValProSerGluArgGluAl 368
                                         318 rGluValValProValIleSerProMetTyrGlnLeuHisLysProLeuA
                                                                                                            1158 GTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAGAGCAACAACG
                                                                                                                                                                                                                                                                                         368 aSerProSerAsnSerCysGlnAspSerThrAspThrGluSerAsnAsnG
                                                                                                                                                                                                                                                                                                                                                       1208 AGGAGCAGCGCAGCGGTCTTATCTACCTGACCAACCACATCGCCCGACGC
                                                                                                                                                                                                                                                                                                                                                                            1258 GCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCTACGACCTGCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1305 GCGCGCCCCCCCCGAGAACTCGCAGGACGCCCCCCCCCGCGTGGTCAGCACCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1355 GCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCGGGTGCTCTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      468 pProPheGluCysAsnMetCysGlyTyrHisSerGlnAspArgTyrGluP
                                                                                     1058 CGGAGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAGCGCCCGTGGAG
                                                                                                                                                                          1108 TACCTGCTGCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGGC
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Percent Identity: 100.000
1011 CGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCACAGG
                APPLICANT: Georgopoulos, Katia
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: AIOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 25
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; Sequence 25, Application US/08733622C
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouality: 2467.00
Ratio: 5.351
Percent Similarity: 100.000
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US-08-733-622C-25
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215
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                                                                                                                                                                             316 GGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGATATCTG 365
                                                                                                                                                                                                                                                                                             366 IGGGATCATTTGCATCGGGCCCAATGTGCTCATGGTTCACAAAAGAAGCC 415
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   966 GGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCCCCGGGCGGTTCCGAGG 1015
                                                                                                                                                                                                                                                                                                                                                   416 ACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACC 465
                                                                                                                                                                                                                                                                                                                                                                  101 GlnLysGlyAsnLeuLeuArgHis1leLysLeuHisSerGlyGluLysFr 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 516 CTTCAAATGCCACCTCTGCAACTACGCCTGCCGGCGGAGGGACGCCCTCA 565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 566 CTGGCCACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGTGGATAT 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAAAGAGCG 665
                                                                                                                                        666 CIGCCACACTACTIGGAAAGCAIGGGCCIICCGGGCACACTGIACCCAG 715
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             816 CAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGGGCCTGT 865
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     916 AAGTCCCACGTGATGGACCAAGCCATCAACGACCATCAACTACCTGGG 965
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           166 AATGTTAAAGTAGAGACTCAGAGTGATGAAGAAATGGGCGTGCCTGTGA
                                                                                                                                                                                                                                                                                                            466 CAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAGCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   766 ATAGGATCAGAGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGC
                                      Align seg 1/1 to: US-08-733-622C-25 from: 1 to: 461
           US-08-711-417C-165 x US-08-733-622C-25
alignment_block
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.016 TGGTCCCGGTCATCAGCCCGATGTACCAGCTGCACAGGCGCTCGGAGGGC 1065
                                                                           1066 ACCCGGGGTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCT 1115
                                                                                                                                                  1116 GCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGGCGTCCCCGA 1165
                                                                                                                                                                                                                                1166 GCAACAGCTGCCAAGACTCCACGGACACCGAGGAACAACGAGGAGGAG 1215
                                                                                                                                                                                                                                                                                                           1216 CGCAGCGGTCTTATCTACCTGACCACCACATCGCCCGACGCGCGCAACG 1265
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-4
                                                                                                                                                                                                                                                                                                                                                                                     CGTGTCGCTCAAGGAGGACCCCGCGCCTACGACCTGCTGCGCGCCGCCT 1315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1316 CCGAGAACTCGCAGGACGCGCTCCGCGTGGTCAGCACCAGCGGGGAGCAG 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1466 GCAACATGTGCGGCTACCACAGCCAGGACCGGTACGAGTTCTCGTCGCAC 1515
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCTTTTGAGT 1465
                    Gequence 4. Application US/10037667
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: MOTGAN, Bruce A.
TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY
TITLE OF INVENTION: DAEDALOS
FILE REPERENCE: 10287-044001
CURRENT APPLICATION NUMBER: US/10/037,667
CURRENT FILING DATE: 2002-07-23
PRIOR PILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length: 518
Gaps: 5
Percent Identity: 90.347
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1516 ATAACGCGAGGGGAGCACCGCTTCCACATGAGC 1548
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 451 IleThrArgGlyGluHisArgPheHisMetSer 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ratio: 4.947
Percent Similarity: 95.946
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Quality: 2458.50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Mus musculus US-10-037-667-4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      alignment_scores:
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TYPE: PRT
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201 HislysCysGlyTyrCysGlyArgSerTyrLysGlnArgSerLeuGl 217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   651 GGAACATAAAGAGCGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGG 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCA 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  134 ly...ValCysProValIleLysGluGluThrAsnHisAsnGluMetAla 249
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  851 GGGACAAGGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CACAAAIGIGGAIAIIGIGGCCGAAGCIAIAAACAGCGAACGICIIIAGA 650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              217 uGluHisLysGluArgCysHisAsnTyrLeuGluSerMetGlyLeuProG 234
                                                                                                                                                                                                                                                                                                                                                                                                             117 uLysCysAspileCysGlyIleValCysIleGlyProAsnValLeuMetV 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      GGAGGGACGCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600
                                                                                                                                                                                                                                                                                                                            201 TGGGCGTGCCTGTGAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA 250
                                                                                                                                                                                                                                                                                                                                                                                            TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
                                                                                                                            51 CCCCCCTGTAAGCGATACTCCAGATGAGGGCGATGAGCCCCATGCCGATCC 100
                                                                                                                                                                                               101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150
                                                                                                                                                                                                                                                            151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                                                                                                             751 GAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCTGGACAGACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   801 AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG
                                                                                                                                                                                                                                                                                                                                             451 GGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCA
                                                                                                                                                                                                                                                                                                                                                                                                                                                            301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACT
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                                                                                  to: US-10-037-667-4 from: 1 to: 515
US-08-711-417C-165 x US-10-037-667-4
                                  Align seg 1/1
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-27
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1495 CGGTACGAGTTCTCGTCGCACATAACGCGAGGGGGGGCACCGCTTCCACAT 1544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1295 ACGACCTGCTGCGCGCCTCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                        CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAC 1050
                                                                                                                                                                                                                                                                                                                                                       1098 CGCCGTGGAGTACCTGCTGCTGCTCCAAGGCCAAGTTGGTGCCCTCGG 1147
                                                                                                                                                                                                                                                                                                                                                                                                                               1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
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                                                                                                                                                                                                                                                                               1051 AGG...CGCTCGGAGGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAG 1097
                                                                                                                              CATCAACTACCTGGGGGCCGAGTCCCTGCGCCGCTGGTGCAGACGCCCC 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 481
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 365 AlavalAspAsnLeuLeuLeuLeuSerLysAlaLysSerValSerSerG 381
                                                                                                                                                                                                                                                                                                                                                                                                                                                    GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950
                                                                                           300 Glu...AspMetMetThrSerHisValMetAspGlnAlaIleAsnAsnAl 315
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1395 GGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGGGCTGCCACG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: ALOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR FILING DATE: 1996-05-14
PRIOR APPLICATION NUMBER: US 60/005,529
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 27, Application US/08733622C GENERAL INFORMATION:
APPLICANT: Georgopoulos, Katia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          seq_documentation_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1545 GAGC 1548
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51 CCCCCCTGTAAGGGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCC 100
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                                                                                                                                                                                                                                                                                                                                                                                                                   151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     201 IGGGCGTGCCTGTGAAATGAATGGGGGAAGAATGTGCGGAGGATTTACGAA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        251 TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
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                                                                                                                                                                                                                                                                          301 AGCTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACT 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         351 AAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGG 400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           401 TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC 450
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                                                                                                                                                    Percent Similarity: 95.202 Percent Identity: 89.635
                                                                                                                                                                                                                                 Align seg 1/1 to: US-08-733-622C-27 from: 1 to: 518
                                                                                                                                                Length:
           NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
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US-08-711-417C-165 x US-08-733-622C-27
PRIOR FILING DATE: 1995-10-18
                                                                                                                                             Quality: 2437.00
                                                              ; TYPE: PRT
; ORGANISM: Mus musculus
US-08-733-622C-27
                                                                                                                             alignment_scores:
                                                    LENGTH: 518
                          ; SOFTWARE: F; SEQ ID NO 27
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Hisasn Hisasn Hisasn Hill! Hyalad Jyalad Jyalad Hya	GTGTC STEENAL CCGGGGA CCGGGGA CCGGGGG CCGGGGG CCGGGGG CCGCGG CCGCGG CCGCGG CCGCGG CCGCGG CCGCGG CCGCGGG CCGCGGG CCGCGGGG CCGCGGGG CCGCGGGGGG
	CAACGC CACCGC
	CCCGACGCG SnP (1:1) SnP (1:1) SnP (1:1) SnCTCGTGC SnCTCTGC SnCTCTGC SCTCTTCGC CCTCTTCGC CCTCCTCGC CCTCCCTC
217 to 701 to 70	248 CG 414 eA 414 eA 295 AC 431 yr; 448 Va; 1164 9V 136 GC; 136 GC; 136 GC; 148 Aa; 111 eB 1 1yc

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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         460 TICACCCAGAAGGGCAACCIGCTCCGGCACATCAAGCTGCATICCGGGGA 509
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                510 GAAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGCCGGAGGGACG 559
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           210 CIGIGAAAIGAAIGGGGAAGAAIGIGCGGAGGAITIACGAAIGCIIGAIG 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       260 CCTCGGGAGAAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCT 309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  310 ITGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAGTGTGA 359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                160 GCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGC 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             69 pileCysGlyile***CysileGlyProAsnValLeuMetValHisLysA 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Align seg 1/1 to: US-08-733-622C-22 from: 1 to: 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Percent Identity: 90.385
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length:
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                                                                                                                         APPLICANT: Georgopoulos, Katia
APPLICANT: Georgopoulos, Katia
APPLICANT: Georgopoulos, Bruce A.
TITLE OF INVENTION: ALOLOS GENE
FILE REFERENCE: 10287-030001
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-05-14
PRIOR RILING DATE: 1996-05-14
PRIOR RILING DATE: 1995-10-18
PRIOR FILING DATE: 1995-10-18
SOFTWARE: FASTSEQ FOR Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; NAME/KEY: VARIANT
; LOCATION: (1)...(470)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-08-733-622C-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: majority sequence
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US-08-711-417C-165 x US-08-733-622C-22
                                                                      seq_documentation_block:
; Sequence 22, Application US/08733622C
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                             ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Duality: 2207.50 Ratio: 5.098 Percent Similarity: 92.521
514 gTyrHisLeuSer 518
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                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 22
                                                                                                                                                                                                                                                                                                                                                                                             LENGIH:
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1354 AGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCGGGTGCTCTT 1403
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  403 SerGlyGluGln***LysValTyrLysCysGluHisCysArgValLeuPh 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1010 CCGAGGIGGICCCCGGICATCAGCCCGAIGIACCAGCIGCAC...AGGCGC 1056
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1057 TCGGAGGCCACCCCGCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGA 1106
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       286 erGluValValProValIleSerProMetTyrGlnLeuHis******* 302
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     860 GCCIGICCGACACGCCCTACGACAGIGCCACGIACGAGGAGGAAGGAA 909
                                                                                                                                                                                                                                                                                                                                                                              910 AIGAIGAAGICCCACGIGAIGGACCAAGCCAICAACAACGCCAICAACIA 959
                                                                                                                                                                                                                                                        203 CysLysIleGly***GluArgSerLeuValLeuAspArgLeuAlaSerAs 219
                                                                                                                                                                                                                                                                                                 810 TGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGG 859
                                                                                                                                                                                             660 AGAGCGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGGGCCACACTGT 709
                                                                                                                                  710 ACCCAGTCATTAAAGAAAACTAAGCACAGTGAAATGGCAGAAGACCTG 759
                610 GGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAA 659
                                                                                                                                                                                                                                        760 TGCAAGATAGGATCAGAGATCTCTCGTGCTGGACAGACTAGCAAGTAA
560 CCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGT
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-26
1495 CGGTACGAGTTCTCGTCGCACATAACGCGGAGGGAGCACCGCTTCCACAT 1544
                                                                                51 CCCCCTGTAAGCGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCC 100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAAGCTCCAAGAGTGAC 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  201 IGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA 250
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               251 TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps: 6
Percent Identity: 74.280
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Align seg 1/1 to: US-08-733-622C-26 from: 1 to: 432
                                                                                                                                                                                                               seq_documentation_block:
Sequence 26, Application US/08733622C
GENERAL INFORMATION:
APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: ADIOLOS GENE
FIRE REFERENCE: 10287-030001
CURRENT FILING DATE: 1996-10-17
CURRENT PILING DATE: 1996-05-14
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-711-417C-165 x US-08-733-622C-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  alignment_scores:
Quality: 1963.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ratio: 4.776
Percent Similarity: 78.887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Mus musculus
US-08-733-622C-26
                                                                                                                           1545 GAGC 1548
                                                                                                                                                         469 *Ser 470
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      alignment_block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 26
LENGTH: 432
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: PRT
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1197 311	GAGCAACAGCTGCCAAGACTCCACGGACACCGAG 	1148
1147 295	IACCTGCTGCTCTCCAAGGCCAAGTTG 	1098
1097 278	AGGCGCTCGGAGGGCACCCGGGCTCCAACCACTCGGCCCAGGACAG:::	1051
1050 262	CGGGGGGTTCCGAGGTGGTCCCGGTCATCAGCCGGATGTACCACTGCAC	1001
1000 246	CATCAACTACCTGGGGCCGAGTCCCTGCGCCCCCTGGTGCAGACGCCCC	951
950	AAATGAGGACCCACGTGATGGACCAAG 	901
900	AAGGGCTGTCCGACACGCCCTACGACAGTGCCACGTACG; 	851 197
197	9	197
850	AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTT	801
		196
ō	GAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCTGGACAGAC	751
196		196
Š.	GCACACTGTACCCAGTCATTAAAGAAGAAACTAAAGCACAGTGAAA	701
5		196
ō	GGAACATAAAGAGCGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCG	651
196		196
650	aatgtggatattgtggccgaagctataaacagcgaacgtctttag	601
196	1 GGAGGACGCCCTCACTGGCCCCTGAGGACGCACTCCGTTGGTAAACCT	184
184	SerGlyGluLysProPheLysCysHisLeuCysAsnTyrAl	16
550	CCGGGGGAGAAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGC	:05
500	1 GGGGCCTCATTCACCCAGAAGGCCAACCTGCTCCGGCACATCAAGCTGCA 	45.
450	1 TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC 	40
400	1 AAAGTGTGATATCTGTGGGATCATTGCATCGGCCCCAATGTGCTCATGG 	35

1248 CGCCCGACGCGCGAACGCGTGTCGCTCAAGAGGAGGACCCCGCCCT 1294:. -::::::::::::::::::::::::::::::
1295 ACGACCTGCTGCGCGCCCCCCGAGAACTCGCAGACGCGCTCCGCGTG 1344 :::::
1345 GTCAGCACCAGCGGGGGGGGAGCAGCAGAGGTGTACAAGTGCGAACACTGCCG 1394
1395 GGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGG 1435
1436 GCTGCCACGCCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCAC 1485
1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG 1535
1536 CTTCCACATGAGC 1548 :: :: 428 gTyrHisLeuSer 432
sq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-24
eg_documentation_block: General_1, Application US/08733622C General_INFORMATION: APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: MORGAN, BILUCE A. TITLE OF INVENTION: AIOLOS GENE FILE REFERENCE: 10287-030001 CURRENT PAPLICATION NUMBER: US/08/733,62C CURRENT FILING DATE: 1996-10-17 PRIOR APPLICATION NUMBER: US 60/017,646 PRIOR APPLICATION NUMBER: US 60/005,529 PRIOR FILING DATE: 1995-10-18 NUMBER OF SEQ ID NOS: 38 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 24 LENGTH 431 TYPE: PRT ORGANISM: Mus musculus S-008-733-622C-24
lignment_scores: 1923.50 Length: 521 Quality: 1923.50 Gaps: 7 Ratio: 4.703 Percent Identity: 73.129
lignment_block: US-08-711-417C-165 x US-08-733-622C-24
Align seg 1/1 to: US-08-733-622C-24 from: 1 to: 431
<pre>1 ATGGATGCTGACGAGGGTCAAGACATGTCTTTCTCATCAGGGAAGGAA</pre>
51 CCCCCTGTAAGCGATACTCCAGATGAGGGCGATGAGCCCATGCCGATCC 100
101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150

٠,	GAGTCGT	3
51	1;: 1yMet5	ю
201	TGAAATGAATGGGGAAG	20
53	53	
251	CTTGATGCCTCGGGAGAGAAATGAA	
53		
301	CTCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTA	
53		
351	AGTGTGATATCTGTGGGATCATTTGCATCGGGCCCAATGTGCTCATGG 4	00
53		ю
401	AAAAGAAGCCACACTGGAGAAACGGCCCTTCCAGTGCAATCAGTGC 4	20
54	lyGluArgProPheGlnCysAsnGlnSer 6	6
451	CTCATTCACCCAGAAGGGGAACCTGCTGGGGACATCAAGCTGCA 5:	00
501	TTCCGGGAGAAGCCCTTCAAATGCCACTCTGCAACTAGGCCTGCCGC 55	50
551	GAGGGACGCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 6	300
ם מ	ACAAATGIGGATATTGIGGCGAAGCIATAAACAGGGAACGICTTAGA 6	in c
114	isLysCysGlyTyrCysGlyArgSerTyrLysGlnArgSerSerLeuGl I	5
651	GGAACATAAAGAGGGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGG 70 	700
701	CCCAGTCATTAAAGAAGAAACTAAGCACACAGTGAAATGGCA 7	20 0
4	.ValCysProValIleLysGluGluThrAsnHisAsnGluMetAla 1	791
751		7
801	AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG 8:	850 196
· LO	9 SGACAAGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG	006
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0 ,	ACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAAGGC 9	950
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951		4 5
1001	CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCGGATGTACCAGCTGCAC 1.	1050
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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1436 GCTGCCACGCCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCAC 1485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG 1535
                                                                                                                                                                                                                                                         1248 CGCCCGACGCGCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCGCT 1294
1051 AGG...CGCTCGGAGGCCACCCCGCGCTCCAACCACTCGGCCCAGGACAG 1097
                                                                                                                                                                      1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
                                                                                                                                                                                                                                                                                                                                                                                                                               1295 ACGACCTGCTGCGCCCCCTCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1345 GTCAGCACCAGCGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
                                                                                                                                                                                            294 luArgGluAlaSerProSerAsnSerCysGlnAspSerThrAspThrGlu 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                        278 .AlaValAspAsnLeuLeuLeuSerLysAlaLysSerValSerSerG 294
                                                                                                                                                                                                                                                                                                                                                                  394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         11 SerAsnAlaGluGluGlnArgSerGlyLeuIleTyrLeuThrAsnHisll
                        1098 CGCCGTGGAGTACCTGCTGCTCTCCAAGGCCAAGTTGGTGCCCTCGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 13. Application US/08733622C
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GEOGROPOULOS, Katia
APPLICANT: GEOGROPOULOS, Katia
TITLE OF INVENTION: AIOLOS GENE
FILE REFERENCE: 10.287-0300101
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 23
SEQ ID NO 23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Quality: 1740.00
Ratio: 5.210
Percent Similarity: 88.830
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gTyrHisLeuSer 431
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CGGTCTTAICTACCIGACCAACACACACCCCGACCCCGACCGCGCGTT 1270
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGCGTCCCCGAGCAAC 1170
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1071 GCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               871 ACGCCCTACGACAGTGCCACGTACGAGAAGGAGAACGAAATGATGAAGTC 920
                                                                                421 GGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGGCCTCATTCACCCCAGAA 470
                                                                                                                                                     471 GGGCAACCTGCTCCGGCACATCAAGCTGCATTCCGGGGAGAAGCCCTTCA 520
                                                                                                                                                                                                                    AATGCCACCTCTGCAACTACGCCTGCCGGCGGAGGGACGCCCTCACTGGC 570
                                                                                                                                                                                                                                                                                     571 CACCTGAGGACGCACTCCGTTGGTAAACCTCACAAATGTGGATATTGTGG 620
                                                                                                                                                                                                                                                                                                                                                       621 CCGAAGCTATAAACAGCGAACGTCTTTAGAGGAACATAAAGAGCGCTGCC 670
                                                                                                                                                                                                                                                                                                                                                                                                                      671 ACAACTACTTGGAAAGCATGGGCCTTCCGGGCACACTGTACCCAGTCATT 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ATCAGAGAGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGCCAAAC 820
                                                                                                    1 GlyGluArgProPheGlnCysAsnGlnCysGlyAlaSerPheThrGlnLy 17
                                                                                                                                                                                                                                      ......valile 58
                                                                                                                                                                17 sGlyAsnLeuLeuArgHisIleLysLeuHisSerGlyGluLysProPheL 34
                                                                                                                                                                                                                                                                                                                     51 HisLeuArgThrHisSer..... 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           821 GTAAGAGCTCTATGCCTCAGAAATTTCTTGGGGACAAGGGCCTGTCCGAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CCACGTGATGGACCAAGCCATCAACACGCCATCAACTACCTGGGGGCCG
                                                 to: 334
                                                 from: 1
                 US-08-711-417C-165 x US-08-733-622C-23
                                               to: US-08-733-622C-23
alignment_block
                                                 Align seg 1/1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 159
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1271 CGCTCAAGGAGCACCGCGCCTACGACCTGCTGCGCCCCCCCC	
1321 AACTCGCAGGACGCCTCCGCGTGGTCAGCACCAGCGGGGGGGAGAAA 1370 	
1371 GGTGTACAAGTGCGAACACTGCCGGGGTGCTCTTCCTGGATCACGTCATGT 1420 	
1421 ACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCTTTTGAGTGCAAC 1470 	
1471 ATGTGCGCTACCACACCAGGACCGGTACGAGTTCTCGTCGCACATAAC 1520 	
1521 GCGAGGGACCCGCTTCCACATGAGC 1548 	
eq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-28	
eq_documentation_block: Sequence 28, Application US/08733622C Sequence 28, Application US/08733622C GENERAL INFORMATION: APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: Georgopoulos, Katia APPLICANT: Morgan, Bruce A. TITLE OF INVENTION: ALOLOS GENE FILE REFERENCE: 10287-030001 CURRENT APPLICATION NUMBER: US/08/733,622C CURRENT FILING DATE: 1996-10-17 PRIOR PILING DATE: 1996-10-14 PRIOR PILING DATE: 1996-05-14 PRIOR PILING DATE: 1995-10-18 NUMBER OF SEQ ID NOS: 38 SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 28 LENGTH: 390 TYPE: PRT ORGANISM: Mus musculus IS-08-733-622C-28	
lignment_scores: Quality: 1681.00 Length: 521 Ratio: 4.556 Gaps: 7 Percent Similarity: 70.825 Percent Identity: 65.835	
lignment_block: US-08-711-417C-165 x US-08-733-622C-28	
Align seg 1/1 to: US-08-733-622C-28 from: 1 to: 390	
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51 CCCCCTGTAAGCGATACTCCAGATGAGGCGATGACCCATGCCGATCC 100 	
101 CCGAGGACCTCTCCACCACCTCGGGAGGACAGCAAAGCTCCAAGAGTGAC 150 	
151 AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAAA 200 , :: 51 ArgGlyMet.	

201	TGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAA	250
53		53
251	ATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGAC	300
53		23
301	TCGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAA	350
53		53
351	GTGATATCTGTGGGATCATTTGCATCGGGCCCCAATGTGCTCA	400
53		53
401	AGAAGCCACACTGGAGAACGGCCCTTCCAGTGC	450
54	lyGluArgProPheGlnCysAsnGl	63
451	CTCATTCACC(aSerPheThro	500
501	TTCCGGGGAGAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGCC	550
551	TTGGTAAACC	600
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751	GAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCTGGACAGACT	800
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851	GGGACAAGGCCTGTCCGACACGCCCTACGACAGTGCCACGTACGAGAAG	
155	yAspLysCysLeuSerAspMetProTyrAspSerAlaAsnTyrGlu	171
901	AGAA(950
172	AspMetMetThrSerHisValMetAspGlnAlaIleAsnAsnA	187
951	CATCAACTACCTGGGGGCCGAGTCCCTGCGCCCGCTGGTGCAGACGCCCC	1000
1001	CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAC	1050
	CGCTCGGAGGGCACCCCGCGCTCCAACCACTCGGCCCAGGA :::	1097

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seq_name: /cgn2_6/ptodata/1/paa/US08_NEW_COMB.pep:US-08-733-622C-29
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1098 CGCCGTGGAGTACCTGCTGCTGCTCCCAAGGCCAAGTTGGTGCCCTCGG 1147
                                                                                                                                                1295 ACGACCTGCTGCGCCCCCCCCCGAGAACTCGCAGGACGCGCTCCGCGTG 1344
                                                                                                                                                                                                                                                                                                                                                                                 1345 GTCAGCACCAGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCG 1394
                                                                        1148 AGCGCGAGGCGTCCCCGAGCAACAGCTGCCAAGACTCCACGGACACCGAG 1197
                                                                                                                                                                                                                          1248 CGCCCGACGCGCGCAACGC...GTGTCGCTCAAGGAGGAGCACCGCGCCCT 1294
                                                                                                                                                                                                                                                                                                                                                                                                       353 lyCysHisGlyPheArgAspProPheGluCysAsnMetCysGlyTyrHis 369
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   237 .AlaValAspAsnLeuLeuLeuLeuSerLysAlaLysSerValSerSerG 253
                                                                                          253 luArgGluAlaSerProSerAsnSerCysGlnAspSerThrAspThrGlu 269
                                                                                                                                                                                                                                                  1436 GCTGCCACGCTTCCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCAC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1486 AGCCAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCG
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Percent Identity:
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APPLICANT: Morgan, Bruce A.
TITLE OF INVENTION: AD10LOS GENE
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR FILING DATE: 1996-05-14
PRIOR FILING DATE: 1995-10-18
NUMBER OF SEQ ID NOS: 38
SEQ ID NO 29
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ORGANISM: Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ratio:
Percent Similarity:
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                                                                                                                                                                                                                                                                                                                                                  TGCTTGATGCCTCGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGC 300
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   451 GGGGCCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCA 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                551 GGAGGGACGCCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCT 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          601 CACAAATGTGGATATTGTGGCCGAAGCTATAAACAGCGAACGTCTTTAGA 650
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  651 GGAACATAAAGAGGGCTGCCACAACTACTTGGAAAGCATGGGCCTTCCGG 700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           701 GCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGTGAAATGGCA 750
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   751 GAAGACCTGTGCAAGATAGGATCAGAGATCTCTCGTGCTGGACAGACT 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         801 AGCAAGTAATGTCGCCAAACGTAAGAGCTCTATGCCTCAGAAATTTCTTG 850
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                                                                                                                                                                                                                                                                           TGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGGGGATTTACGAA 250
                                                    CCCCCCTGTAAGCGATACTCCAGATGAGGCCGATGAGCCCATGCCGATCC 100
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             17
4 roGluAspLeuSerThrThrSerGlyAlaGlnGlnAsnSerLysSerAsp
                                                                                                                                                                                                     AGAGTCGTGGCCAGTAATGTTAAAGTAGAGACTCAGAGTGATGAAGAGAA
                                                                                                                                                                                                                   51 ArgGlyMetAlaSerAsnValLysValGluThrGlnSerAspGluGluAs
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                                                                                                                                                                                                                                                                                                                                                                        AGCTCGGCTTTGTCGGGGGGTTGGAGCATTCGACTTCCTAACGGAAAACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAAGTGTGATATCTGTGGGATCATTTGCATCGGGCCCCAATGTGCTCATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         401 TTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGC
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                                                                                                                          101 CCGAGGACCTCTCCACCTCGGGAGGACACAAAGCTCCAAGAGTGAC
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901 GAGAACGAAATGATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGC 950

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seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-2
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                                                                                                                                                                    1001 CGGGCGGTTCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAC 1050
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::: 11::::11 11::::11 207 LysProProSerAspGlyProProArgSerAshHisSerAlaGlnAsp.. 222
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        306 ValSerThrSerGlyGluGlnLeuLysValTyrLysCysGluHisCysAr 322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              356 SerGlnAspArgTyrGluPheSerSerHisIleThtArgGlyGluHisAr 372
                                                                                                                                                                                             190 roGlySerSerGluValValProValIleSerSerMetTyrGlnLeuHis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               239 luhrgGluAlaSerProSerAsnSerCysGlnAspSerThrAspThrGlu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1295 ACGACCTGCTGCGCCCCTCCGAGAACTCGCAGGACGCGCTCCGCGTG
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GENERAL INFORMATION:
APPLICANT: MOTGAN, BLUCE A.
TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT
TITLE OF INVENTION: DAEDALOS
FILE REFERENCE: 10287-044001
CURRENT APPLICATION NUMBER: US/10/037,667
CURRENT FILING DATE: 2002-07-23
PRIOR FILING DATE: 2002-07-23
PRIOR FILING DATE: 2000-10-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUMBER OF SEQ ID NOS: 13
SOFTWARE: FastSEQ for Windows Version 4.0
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LENGTH: 532
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176 TAGAGACTCAGAGTGATGAAGAG......AATGGGCGTGCC 210
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|----.LeuGlnGlyGluArgGlyIleArgLeuProAsnGlyLysLeuLys 119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              211 TGTGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGA.....ATGCT 254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             eGluSerSerGluValAlaAspAsnArgLysValGlnAsp......104
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            305 CGGCTTTGTCGGGAGTTGGAGGCATTCGACTTCCTAACGGAAAACTAAAG 354
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                405 CAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGCAATCAGTGCGGGG 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       455 CCTCATTCACCCAGAAGGGCAACCTGCTCCGGCACATCAAGCTGCATTCC 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       505 GGGGAGAAGCCCTTCAAATGCCACCTCTGCAACTACGCCTGCCGCGGAG 554
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                555 GGACGCCCTCACTGGCCACCTGAGGACGCACTCCGTTGGTAAACCTCACA 604
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    236 aGlyGlnValMetSerHisHisValProProMet.....GluAspCysL 251
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                                                                                                                                     Length: 518
Gaps: 11
Percent Identity: 53.089
                                                                                                                                                                                                                                                                                                           to: 532
                                                                                                                                                                                                                                                                                                      Align seg 1/1 to: US-10-037-667-2 from: 1
                                                                                                                                                                                                                                 alignment_block:
US-08-711-417C-165 x US-10-037-667-2
                                                                                                                                   Quality: 1360.50
Ratio: 3.436
Percent Similarity: 76.448
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-037-667-2
                                                                                                                 alignment_scores:
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Sequence 2, Application US/08733622C
GENERAL INFORMATION:
APPLICANT: Georgopoulos, Ratia
APPLICANT: Georgopoulos, Ratia
TITLE OF INWENTION: AIOLOS GENE
TITLE FEFRENCE: 10287-03001
CURRENT APPLICATION NUMBER: US/08/733,622C
CURRENT FILING DATE: 1996-10-17
PRIOR APPLICATION NUMBER: US 60/017,646
PRIOR FILING DATE: 1996-10-18
PRIOR FILING DATE: 1996-10-18
NUMBER OF SEQ ID NOS: 38
SOFTWARE: FSSLSEQ for Windows Version 4.0

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                                                                                                                                                                                                                                                                                                                                                                                                                                           1010 CCGAGGTGGTCCCGGTCATC.....AGCCCGATGTACCAGCTG 1047
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1048 CACAGGCGCTCGGAGGGCACCCCGCGCTCCAACCACTCGGCCCAGGACAG 1097
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1489 CAGGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGAGCACCGCTT 1538
                                                                                                                                                                                                878 ACGAC.....AGTGCCACGTACGAGAAGGAGAATG 912
                                                                                                                                                                                                                                                                                                        251 ysGluGluProIleMetAspAsnAsnIleSerLeuValAlaPheGlu 267
                                                                                                                    828 CICTAIGCCTCAGAAATITCTIGGGGACAAGGGCCIGICCGACACGCCCT 877
                                                                                                                                                        284 rSerThrProGlnLysPheValGlyGluLysLeuMetArgPheSerTyrP 301
                                                                                                                                                                                                                              913 ATGAAGTCCCACGTGATGGACCAAGCCATCAACAACGCCATCAACTACCT 962
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                                      778 AGATCTCTCGTGCTGGACAGACTAGCAAGTAATGTCGCCAAACGTAAGAG
                                                                   368 AsnArgIleGluArgProIleSerArgGluThrSerAspSerHisGluAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1539 CCAC 1542
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                                                                                                                                                                                                                                                                                                                       318
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Align seg 1/1 to: US-08-733-622C-2 from: 1 to: 507

alignment_block: US-08-711-417C-165 x US-08-733-622C-2

Length: 526 Gaps: 16 Percent Identity: 52.281

Quality: 1302.00 Ratio: 3.305 Percent Similarity: 74.905

alignment_scores:

ORGANISM: Mus musculus US-08-733-622C-2

SEQ ID NO 2 LENGTH: 507 TYPE: PRT

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122 CGGGAGGACAGCAAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAAT... 168
75 TGAG...GGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACCT 121
                                                                                                                                                                                                         169 .....GITAAAGTAGAGACTCAGAGTGATGAAGAGAATGGGCGTGCCTG 212
                                                                                                                                                                                                                                                                                                       213 TGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCT 262
                                                                                                                                                                                                                                                                                                                                                                                                             263 CGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCTTTG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98 SerIleLysLeuGluArgHisValProTyrAspAsnSerArgProThrSe 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    392 IGCTCATGGTTCACAAAAGAAGCCACACTGGAGAACGGCCCTTCCAGTGC 441
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CAAGCTGCATTCCGGGGAGAAGCCCTTCAAATGCCACCTCTGCAACTACG 541
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24 pAlaLeuAsnAspTyrSerLeuProLysProHisGluIleGluAsnValA 41
                                                                                                                                                                                                                                                                                                                                                          74 oGluProMetGly......aspalaG 81
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                                                                                                                                                                                                                                                         58 MetLysValLysAspGluTyrSerAspArgAspGluAsnIleMetLysPr 74
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81 luGluSerGluMetProTyrSerTyrAlaArgGluTyrSerAspTyrGlu 97
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seq_documentation_block:

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1359 GGAGCAGATGAAGGTGTACAAGTGCGAACACTGCCGGGTGCTCTTCCTGG 1408
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1121 TCTCCAAGGCCAAGTTGGTGCCCTCGGAGGCGGGGGGGTCCCCGAGCAAC 1170
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            986 TGGTGCAGACGCCCCCGGGC...GGTTCCGAGGTGGTCCCGGTCATCAGC 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1071 GCGCTCCAACCACTCGGCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1171 AGCTGCCAAGACTCCACGGACACCGAGAGCAACAACGAGGAGCAGCGCGG 1220
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   444 yGluValMetAspValPheArgCysAspHisCysHisValLeuPheLeuA 461
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         364 euLeuProGluLysIleLeuProSerGluArgGlyLeuSerProAsnAsn 380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    112 IyMetProLeu...LeuLysGluValProArgSerPheGluLeuLeuLys 427
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               428 ProProProlleCysLeuArgAspSerIleLysVallleAsnLysGluGl 444
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  339 SerValTyrProlleAlaLeuThrArgAlaAspMetProMetGlyAlaPr 355
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          397 s.....LeuTyrGlnGlnSerHisValValLeuProGlnAlaArgAsnG 412
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            889 ...ACGTACGAGAAGGAGAACGAAATGATGAAGTCCCACGTGATGGACCA 935
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      244 Lys......AlaGluMetGlySerGluArgAlaLeuValLe 255
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      842 AATTICITGGGGACAAG...GGCCIGICCGACACGCCCIACGACAGIGCC 888
                                                                                                                                                                                                          198 GluLysProTyrLysCysGluPheCysGlyArgSerTyrLysGlnArgSe 214
                                                                                                                                                                                                                                                                                                                                                                                                                             231 spleu...GlyAspAlaAlaSerVal......GluAlaArgHisIle 243
164 eLysLeuHisThrGlyGluLysProPheLysCysHisLeuCysAsnTyrA 181
                                                                                  642 GTCTTTAGAGGAACATAAAGAGGGCTGCCACAACTACTTGGAAAGCATGG 691
                                                                                                                                                                                                                                                                                                     692 GCCTTCCGGGCACACTGTACCCAGTCATTAAAGAAGAAACTAAGCACAGT 741
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         742 GAAATGGCAGAAGACCTGTGCAAGATAGGATCAGAGAGATCTCTCGTGCT 791
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            289 TyrMetTyrGluLysGluAsnGluMetMetGlnThrArgMetWetAspGl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |||||:::|||:::|||
272 yspheileGlyGluLysArgHisCysPheAspAlaAsnTyrAsnProGly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      936 AGCCATCAACAACGCCATCAACTACCTGGGGGCCGAGTCCCTGCGCCCGC
                                                      542 CCTGCCGCCGGAGGGACGCCCTCACTGGCCCACCTGAGGACGCACTCCGTT
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seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        313 TCG......GGAGTTGGAGGCATTCGACTTCCTAA 341
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           169 .....GITAAAGIAGAGACICAGAGIGAIGAAGAGAAIGGGCGIGCCIG 212
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 213 TGAAATGAATGGGGAAGAATGTGCGGAGGATTTACGAATGCTTGATGCCT 262
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    263 CGGGAGAGAAATGAATGGCTCCCACAGGGACCAAGGCAGCTCGGCTTTG 312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                98 SerileLysLeuGluArgHisValProTyrAspAsnSerArgProThrSe 114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     75 TGAG...GGCGATGAGCCCATGCCGATCCCCGAGGACCTCTCCACCACCT 121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           122 CGGGAGGACAGCAAAGCTCCAAGAGTGACAGAGTCGTGGCCAGTAAT... 168
                        ::::::|||
81 luGluSerGluMetProTyrSerTyrAlaArgGluTyrSerAspTyrGlu 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24 palaLeuAsnAspTyrSerLeuProLysProHisGluileGluAsnValA 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           41 spSerArgGluAlaProAlaAsnGluAspGluAspAlaGlyGluAspSer 57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              58 MetLysValLysAspGluTyrSerAspArgAspGluAsnIleMetLysPr 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    74 oGluProMetGly.....AspAlaG 81
                                                                                                                                                                                                                                                                                                                                                    seq_documentation_block:
Sequence 3, Application US/10037667
GENERAL INFORMATION:
TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY
TITLE OF INVENTION: DAEDALOS
TITLE OF INVENTION: DAEDALOS
FILE REFERENCE: 10287-044401
CURRENT APPLICATION NUMBER: 05/10/037,667
CURRENT FILING DATE: 2002-07-23
PRIOR APPLICATION NUMBER: 60/243,110
PRIOR FILING DATE: 2000-10-25
NUMBER OF SEQ ID NOS: 13
SOFTWARE: FRASECO for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8 ValGluLeuLysSerThrGluGlnBroLeuProThrGluSerProAs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    25 ATGICITICICALCAGGAAGGAAAGCCCCCCTGTAAGCGATACTCCAGA
.409 ATCACGTCATGTACACCATCCACATGGGCTGCCACGGCTTCCGTGATCCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length: 526
Gaps: 16
Percent Identity: 52.281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Align seg 1/1 to: US-10-037-667-3 from: 1 to: 507
                                                                                                                                                                                                   1509 GTCGCACATAACGCGAGGGGAGCACCGC 1536
                                                                                                                                                                                                                                      uS-08-711-417C-165 \times uS-10-037-667-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Quality: 1301.00
Ratio: 3.310
Percent Similarity: 74.715
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT
CORGANISM: Mus musculus
US-10-037-667-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                alignment block:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LENGTH: 507
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEO ID NO 3
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397
1259 CGCAACGCGTGCCCAAGGAGGAGCACCGCGCCTACGACCTGCTGCGC 1308 :::: ::: ::: 412 lyMetProLeuLeuLysGluValProArgSerPheGluLeuLeuLys 427
13
14
1 4
seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-1
seq_documentation_block: ; Sequence 1, Application US/10037667 ; GENERAL INFORMATION: ; APPLICANF: MORGAN. ; TITLE OF INVENTION: BACGLATION OF NEURAL DEVELOPMENT BY TITLE OF INVENTION: DADBALOS ; FILE REFERENCE: 10297-044001 ; CURRENT APPLICATION NUMBER: US/10/037,667 ; CURRENT FILING DATE: 2002-07-23 ; PRIOR APPLICATION NUMBER: 60/2243,110 ; PRIOR APPLICATION NUMBER: 60/2243,110 ; NUMBER OF SEQ ID NOS: 13 ; SOFTWARE: FastSEQ for Mindows Version 4.0 ; SEQ ID NO 1 ; LENGTH: 537 ; TYPE: PRT ; ORGANISM: Mus musculus US-10-037-667-1
alignment_scores: Quality: 1282.50
alignment_block: US-08-711-417C-165 x US-10-037-667-1
Align seg 1/1 to: US-10-037-667-1 from: 1 to: 537
94 CCGATCCCCGAGGACCTCTCCACCTCGGGAGGACGCAAGCTCCAA 143
144 GAGTGACAGAGTGGGCCAGTAATGTTAAAGTAGAGGACTCAGAGTGATG 193
194 AACAGAATGGGCGTGCCTGTGAAATGAATGGGGAAGAATGTGCGGAGGAT 243 ::::: 54 luGluSerSerArgLeuLeuGlyProAsp 63
AAATG

64 GluArgLeuLeuAspLysAspAspSerValIleValGluAspSerLeuSe 80	
7	
euGlyTyrCysAspGlySerGlyProGluProHisSerPro. 96	
ITTGTCGGGA	
GATATCTGTGGGATCATTGCATCGGGCCCAATGTGCT GATATCTGTGGGATCATTGCATCGGGCCCCAATGTGCT 	
8 – 3	- 0
58 CATTCACCCAGAAGG 	~ m
08 GAGAAGCCTTCAAATC 	2
58 CGC 75 pA1	0 0
93 GTAAACCTCACA ::: 92 lvLvsProTyrL	
43 TCTTTAGAGGAACATAAAGAGGGGCTGCCACAAG 1::	
91	
19 TIAAAGAAGAAATTAAGCACAGTGAAATGGCAGAAGACCTGTGCTTAAAGAAGAAAAATGGCAGAAAAAGAGAAAAGAGAAAAAAAA	
66 ATAGGATCAGAGATCTCTCGTGCTGGACAGACTA 52 ProSerThrGluArgProThrPheIleAspArgLeu	
16 CAAACGTAAG : 68 rLysArgLys	
59GGCCTGT :::	
95 GAGAAGAAGAAGAATGATGAAGTCCCACG 11 -	4 -
45 CAACGCCATCAACTACCTGGGGGCCGAGTCCC .::::::::::::::::::::::::::::::::::	ര് ന്
95 CGCCCC 	5
39 TACCAGCT	0

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seq_name: /cgn2_6/ptodata/1/paa/US10_NEW_COMB.pep:US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1291 GCCTACGACCTGCTGCGCGCCGCCTCCGAGAACTCGCAGGACGCGCTCCG 1340
                                                                                                                                                                                                                                                                                                                                                                                                               1341 CGTGGTCAGCACCAGCGGGGAGCAGATGAAGGTGTACAAGTGCGAACACT 1390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1391 GCCGGGTGCTCTTCCTGGATCACGTCATGTACACCATCCACATGGGCTGC 1440
                                                                                                                                                                                                         1221 CGCTCTTATCTACCTG.....ACCA 1240
                                                                                                                                                                                                                                                                            1241 ACCACATGGCCCGACGCGCGAACGCGTGTCGCTCAAGGAGGAGCACCGC 1290
                                                                                                                                       1171 AGCTGCCAAGACTCCACGGACACCGAGAGCAACAACGAGGAGCAGCGCAG 1220
1071 GCGCTCCAACCACCCCAGGACAGCGCCGTGGAGTACCTGCTGCTGC 1120
                                                                    1121 TCTCCAAGGCCAAGTTGGTGCCCTCGGAGCGCGAGCGTCCCCGAGCAAC 1170
                                                                                                                                                                                                                                       416 yGlyValValSerLeuProGlnGlyProProProGlnProProProFroThr1 433
                                                                                                                                                                                                                                                                                                             433 levalValGlyArgHisSerProAlaTyrAlaLysGluAspProLysPro 449
                                                                                                                                                                                                                                                                                                                                                                   seq_documentation_block:

Sequence 5, Application US/10037667

Sequence 5, Application US/10037667

GENERAL INFORMATION:

APPLICANT: MORGAN. Bruce A.

TITLE OF INVENTION: REGULATION OF NEURAL DEVELOPMENT BY

TITLE OF INVENTION: DAEDALOS

FILE REFERENCE: 10287-044001

CURRENT APPLICATION NUMBER: US/10/037,667

CURRENT FILING DATE: 2002-07-23

PRIOR PLILING DATE: 2000-10-25

NUMBER OF SEQ ID NOS: 13

SOFTWARE: FastSEQ for Windows Version 4.0
                         1491 GGACCGGTACGAGTTCTCGTCGCACATAACGCGAGGGGGAGCACCGC 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length: 546
Gaps: 17
Percent Identity: 44.322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Align seg 1/1 to: US-10-037-667-5 from: 1 to: 498
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            alignment_block:
US-08-711-417C-165 x US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ratio: 3.283
Percent Similarity: 62.821
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Quality: 1126.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Mus musculus
US-10-037-667-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              alignment_scores:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SEQ ID NO 5
LENGTH: 498
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64 GATACTCCAGATGAGGCGATGAGCCCATGCCGAGGACCTCTC 113
114 CACCACCTCGGGAGGACAGCAAGCT 139 ::: ::::::::: 41 rAspAlaLeulleGlyProThrValSerThrProAsnSerArdHissory 58
, 1, 7
caleuSergluly o
IGTGCGGAGGATTTACGAATGC 2:::
30.
TTCGACTTCCTAACGGAAAACTAAA 35
140
SCCCTTCCAGTGCAATCAGTGCGGG 45
50 278
55.
60.
65
70
704 CACTGTACCCAGTCATTAAAGAACAAACTAAGCACAGAGAAATGCAAAAA 753
24
SGACAGACTAGC 8
, ,
4 AGGTATGTCGCCAAACGTAAGACTCTATGCCTCAG ::::: SerAsnGluAlaGlnHisLeuProAlaHisProGlyG
554 ACAAGGGC
o rocinglyGlyAsnCysIleCysT
, 10

m
909 AATGATGAAGTCCCAGGTGATGGACCAAGCGATCAACAACGCCATCAACT 958 :::::::: ::: ::: :::: : 289 ulleValSerHisHisProLeuAspThrAlaTyrGlyAsnSerLeuAlap 306
959 ACCTGGGGCCGAGTCCCTGCGCCGCTGGTGCAGACGCCCCGGGCGGT 1008 ::::: :::
1009TCCGAGGTGGTCCCGGTCATCAGCCCGATGTACCAGCTGCAG 1052
10
1144TCGGAGCGCGAGGCGTCCCCGAG 1166
1 4
1264 CGCGTGTCGCTCAAGGAGCACCGCGCCTACGACCTGCT 1304 :::
4
13
1449 CCGTGATCCTTTTGAGTGCAACATGTGCGGCTACCACAGGCCAGGACCGGT 1498